



CENOSPHERE INDIA PVT. LTD.

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CIL100

CHEMICAL ANALYSIS :

SIO ₂	52 - 62 %
AL ₂ O ₃	30 - 36 %
CAO	0.1 - 0.5 %
K ₂ O	1.2 - 3.2 %
FE ₂ O ₃	1.0 - 3.0 %
TIO ₂	0.8 - 1.3 %
MGO	1.0 - 2.5 %
NA ₂ O	0.2 - 0.6 %
CARBON DIOXIDE	70 %
NITROGEN	30 %

PHYSICAL PROPERTIES :

SPECIFIC GRAVITY	0.75 - 0.85 G/CC
BULK DENSITY	400 - 450 KGS/CBM
HARDNESS (MOH)	5 - 6
COMPRESSIVE STRENGTH	180 - 280 KGS/CM ² (1500-3000 PSI)
SHAPE	SPHERICAL
PACKING FACTOR	60 - 65 %
WALL THICKNESS	5 - 10 % OF SHELL DIAMETER
COLOUR	LIGHT GREY LIGHT BUFF
MELTING POINT	1200 - 1300 DEG CELCIUS
THERMAL CONDUCTIVITY	0.11 WM-1K-1
PH IN WATER	6 - 7
MOISTURE	0.5 % MAX
LOSS ON IGNITION	2 % MAX
SINKERS	5 % MAX
OIL ABSORPTION	16 - 18 G/100G

SIEVE ANALYSIS :

+ 30 # (500 MICRON)	NIL
+ 60 # (250 MICRON)	NIL
+100 # (150 MICRON)	0 - 2 %
+150 # (106 MICRON)	35 - 70 %
+ 240 # (63 MICRON)	70 - 95 %
- 240 #	0 - 20 %